

AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated below:

Claims 1-20 (canceled).

21. (Currently Amended) A composition comprising a reaction product comprising two or more repeating units derived from a positionally isomeric diethyloctanediol monomer and having a molecular weight polydispersity Mw/Mn of from 1.1 to 20.

22. (Previously Presented) The composition of claim 21, wherein the positionally isomeric diethyloctanediol is a 2,3-, 2,4-, 2,5-, 2,6-, 2,7-, 3,4-, 3,5-, 3,6-, or 4,5-diethyloctanediol.

23. (Previously Presented) The composition of claim 22, wherein the positionally isomeric diethyloctanediol is a 2,4-diethyloctanediol.

24. (Previously Presented) The composition of claim 21, wherein the positionally isomeric diethyloctanediol is a diethyloctane-1,2-, -1,3-, -1,4-, -1,5-, -1,6-, -1,7-, -1,8-, -2,3-, -2,4-, -2,5-, -2,6-, -2,7-, -2,8-, -3,4-, -3,5-, -3,6-, -3,7-, -3,8-, -4,5-, -4,6-, -4,7-, -4,8-, -5,6-, -5,7-, -5,8-, -6,7-, -6,8- or -7,8-diol.

25. (Previously Presented) The composition of claim 24, wherein the positionally isomeric diethyloctanediol is a diethyloctane-1,5-diol.

26. (Previously Presented) The composition of claim 25, wherein the positionally isomeric diethyloctanediol is a 2,4-diethyloctane-1,5-diol.

27. (Currently Amended) The composition of claim 21, wherein the reaction product is at least one of a polyaddition reaction product or a polycondensation reaction product.

28. (Currently Amended) The composition of claim 27, wherein the reaction product comprises at least one of a polyether, a polyester, a polycarbonate, a polyurethane, a polyurea, a polyamide, a polyimide, an ether copolymer, an ester copolymer, a carbonate copolymer, a urethane copolymer, a urea copolymer, an amide copolymer, or an imide copolymer.

29. (Currently Amended) The composition of claim 28, wherein the reaction product comprises at least one of a polyester, a polyurethane, a polyester-co-polyether, a polyester-co-polycarbonate, a polyester-co-polyurethane, a polyester-co-polyamide, a polyester-co-polyurea, or a polyester-co-polyimide.

30. (Currently Amended) The composition of claim 21, wherein the reaction product has a structure that is at least one of linear, branched, block, comb, random, core/shell, or crosslinked microparticles.

31. (Currently Amended) The composition of claim 21, wherein the reaction product comprises at least one of

- i) functional groups that undergo crosslinking reactions with complementary functional groups present in at least one of the reaction products themselves and in separate compounds, or
- ii) functional groups, which on exposure to actinic radiation, react with at least one of one another and with other groups.

32. (Previously Presented) The composition of claim 21, wherein the reaction products are grafted with olefinically unsaturated monomers.

33. (Currently Amended) The composition of claim 21, wherein the composition is one of a molding compound, an adhesive, a coating material, or a paint.
34. (Currently Amended) The composition of claim 21, wherein the composition is one of a molding, a film, a fiber, an adhesive film, or a coating, .
35. (Previously Presented) A method comprising applying the composition of claim 21 to a substrate.
36. (Previously Presented) The substrate prepared by the method of claim 35.
37. (Currently Amended) The method of claim 35, wherein the substrate is one of a motor vehicle body, an industrial component, an electrical component, a coil, a package, or furniture.
38. (Canceled) The method of claim 35, wherein at least one of the following:
- a. the positionally isomeric diethyloctanediol is a 2,3-, 2,4-, 2,5-, 2,6-, 2,7-, 3,4-, 3,5-, 3,6- or 4,5-diethyloctanediol;
 - b. the positionally isomeric diethyloctanediol is a diethyloctane-1,2-, -1,3-, -1,4-, -1,5-, -1,6-, -1,7-, -1,8-, -2,3-, -2,4-, -2,5-, -2,6-, -2,7-, -2,8-, -3,4-, -3,5-, -3,6-, -3,7-, -3,8-, -4,5-, -4,6-, -4,7-, -4,8-, -5,6-, -5,7-, -5,8-, -6,7-, -6,8- or -7,8-diol;
 - c. the positionally isomeric diethyloctanediol is a 2,4-diethyloctane-1,5-diol;
 - d. the reaction product is at least one of a polyaddition reaction product and a polycondensation reaction product;
 - e. the reaction product is at least one of a polyether, a polyester, a polycarbonate, a polyurethane, a polyurea, a polyamide, a polyimide, an ether copolymer, an ester copolymer, a carbonate

copolymer, a urethane copolymer, a urea copolymer, an amide copolymer, an imide copolymer, a polyester-co-polyether, a polyester-co-polycarbonate, a polyester-co-polyurethane, a polyester-co-polyamide, a polyester-co-polyurea, and a polyester-co-polyimide;

- f. the reaction product has a structure that is at least one of linear, branched, block, comb, random, core/shell, and the form of crosslinked microparticles;
- g. the reaction product contains at least one of
 - i) functional groups that undergo crosslinking reactions with complementary functional groups present in at least one of the reaction products themselves and in separate compounds, and
 - ii) functional groups, which on exposure to actinic radiation, react with at least one of one another and with other groups;
- h. the reaction products are grafted with olefinically unsaturated monomers;
- i. the composition is one of a molding compound, an adhesive, a coating material, and a paint.

39. (Canceled) The substrate prepared by the method of claim 38.

40. (New) The composition of claim 1 wherein the reaction product comprises from 2 to 15 repeating units.

41. (New) The composition of claim 1 wherein the reaction product comprises more than 15 repeating units.